BAUSCH & LOMB

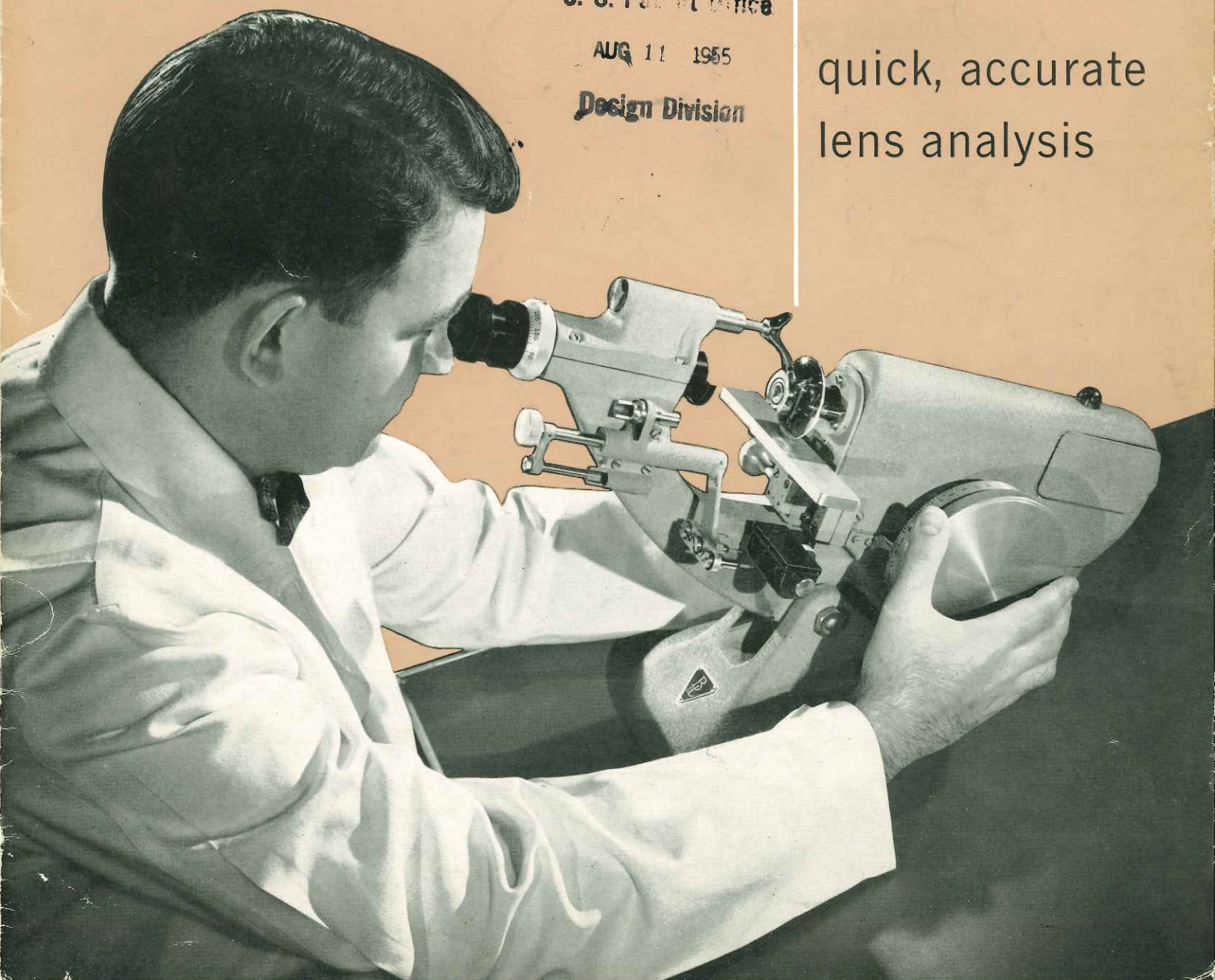
NEW MODEL 70

Vertometer

D5716

U. S. Patent Office
AUG 11 1955
Design Division

quick, accurate lens analysis



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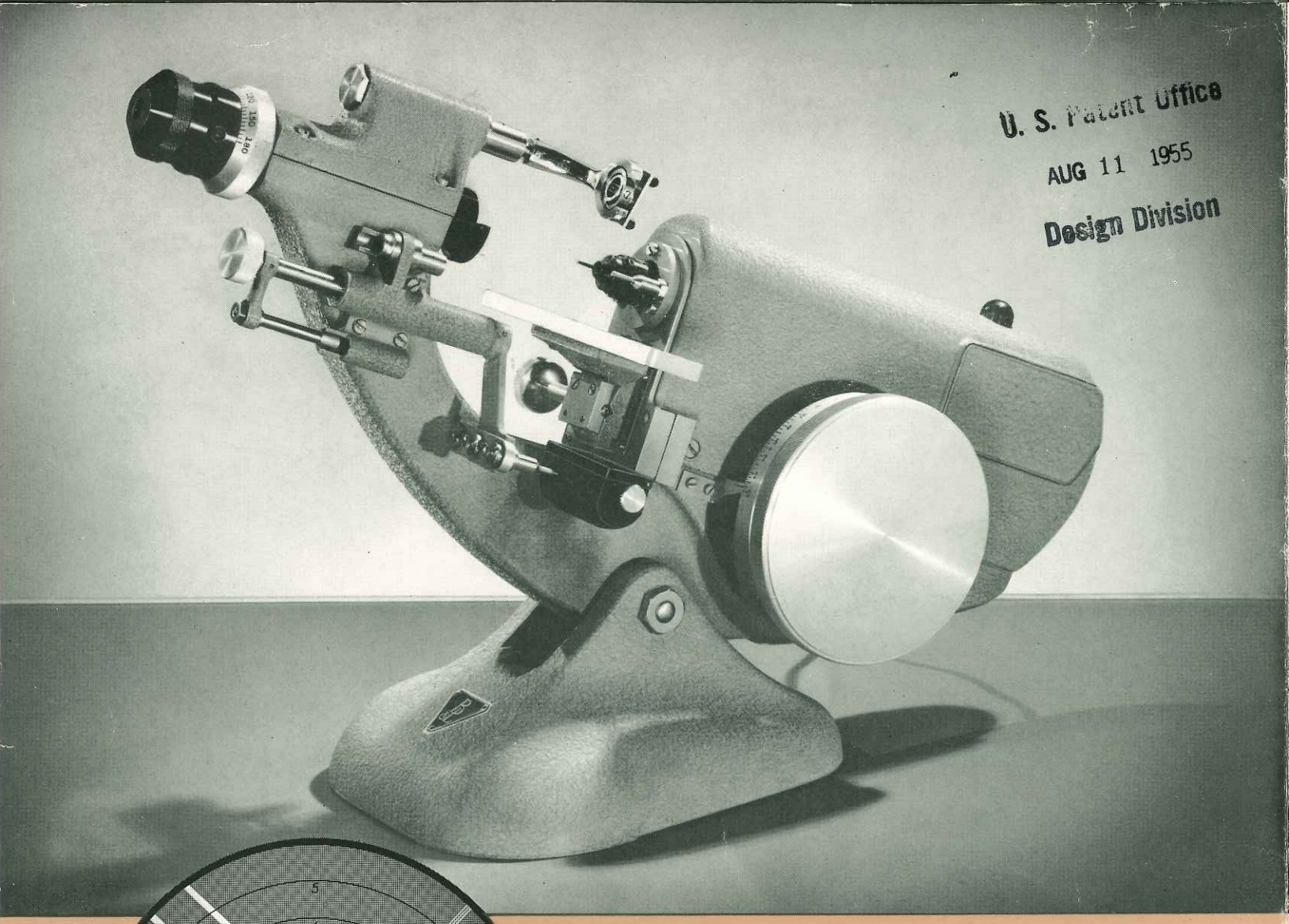
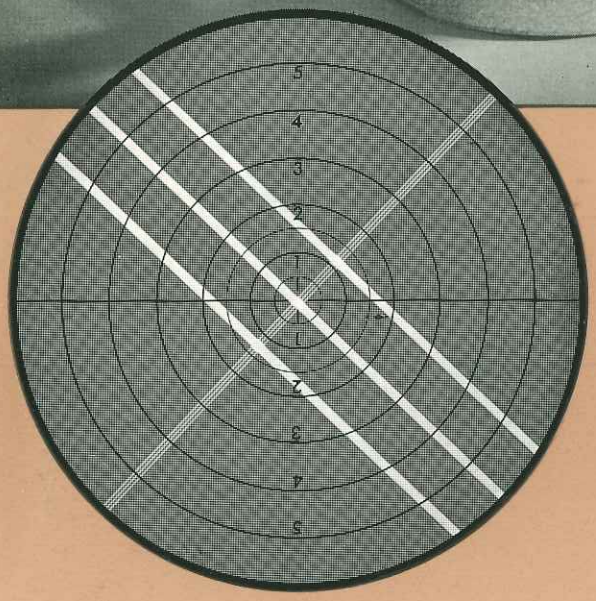




New Vertometer target is more sensitive . . . helps you recognize the focusing point immediately. Easy to read, it has two line widths, three brightness contrasts.

BAUSCH & LOMB MODEL 70

Vertometer

- Measures sphere, cylinder, prism power of lens
- Locates axis and prism line
- Marks lens for cutting and edging
- Measures finished glasses for Rx, vertical prism difference
- Checks additive power of test lenses

In your prescription laboratory or professional office, the Bausch & Lomb Vertometer helps save time in analyzing and marking lenses. It helps you make sure your work is correct . . . helps keep the good opinion of your customers or patients. It's invaluable to all of us who handle ophthalmic lenses—refractionist, dispenser, supply house, manufacturer. Easy to use, fast, precise, the Vertometer is the standard instrument for the job the country over.

Since it is widely used in the factory as well as the field, we keep improving the Vertometer optically and mechanically. You'll find the new Model 70 is more convenient, more accurate, and has less need for adjustments or repairs than ever.

NEW MORE SENSITIVE TARGET

With a little instruction, you or an assistant can make quick, exact measurements of lens power and axis even if you've never used the Vertometer before. The new more sensitive target helps you recognize the focus point at once. This positive stimulus target has two line widths and three brightness contrasts. The white lines on a dark background are easy to see and read correctly.

IMPROVED LENS HOLDER

The efficient new lens holder supports the lens firmly, safely; yet a quick pressure of your finger releases it to the right or left. Made of smooth stainless steel, it's shaped for an easy finger-hold. The mechanism now provides parallel motion and good hold-down for all blank curves. Contact points are tipped with rubber . . . won't scratch.

In positioning the lens, line up the axis with two spring-action pins on the 180° line. You'll avoid parallax errors . . . the pins actually touch the lens.

NEW POWER AND CYLINDER AXIS DRUMS

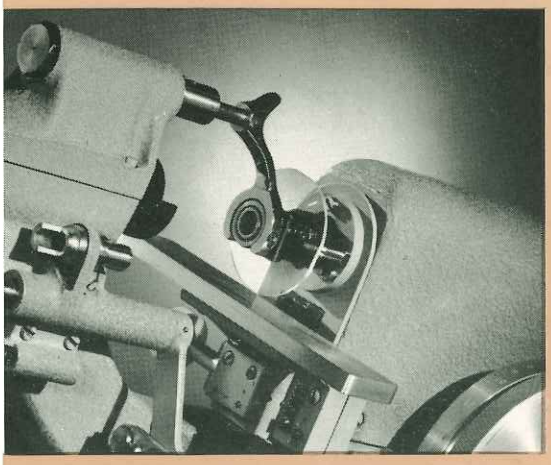
The larger power drum on the right side of the Vertometer gives you easy, critical control of the power setting. You'll find it a comfortable hand size. Its range, from 0 to + or −20 diopters, is enough for every need.

Using the new cylinder axis drum on the left, you can exactly locate the lens axis. This drum is marked 0° to 180°. A 2-to-1 gear ratio lets you rotate the target 360°. You can take your reading twice to double-check your accuracy.

These controls are particularly handy . . . you don't have to look away from the target to move your hand from one knob to another. The engraved scales are placed where you won't handle them and give them extra wear.

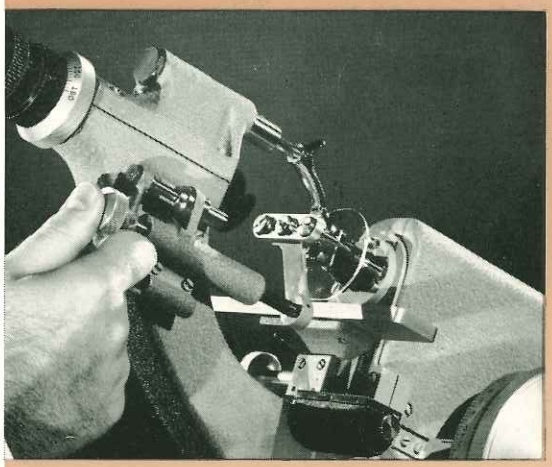
MARK LENSES MORE EASILY

The new Vertometer inking attachment marks your lenses for cutting and edging with a center dot and two axis dots. Just push the knob forward, the pins are inked . . . an easy swing, another push dots the lens. No matter how strong the lens curve is, the dots are clear and correctly placed. The new marker is particularly sturdy and long-wearing. The inkwell's easy to fill . . . lifts out for cleaning.

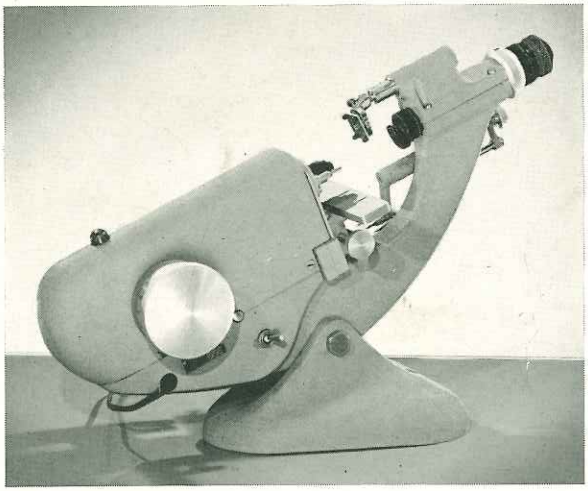


Check the power and axis of every lens quickly and easily on the B&L Vertometer.

Analyze each mounted lens conveniently with glasses resting on the lens table.



Mark lenses for cutting and edging with a motion of the new inking attachment.



The cylinder axis control drum on the left side of the Model 70 Vertometer is larger, easier to use, more exact.

REDESIGNED LENS TABLE

When measuring a mounted lens, turn the knob to raise the lens table to the bottom edge of the glasses. This lets you take your readings with the lens in the position it's worn. To line up the glasses correctly, all the optics are adjusted to agree with the table surface. You can easily check prescription and any vertical prismatic imbalance.

The redesigned table is stronger, less subject to wear. Tension is adjustable. A handy millimeter scale shows distance below optical center.

USE EVEN IN STRONG LIGHT

The Model 70 Vertometer can be used successfully in ordinary or strong light . . . even facing an unshaded window. We've changed the filter location and enclosed the target, slide, and light source. Besides making your Vertometer easier to use in any location, enclosing all moving parts adds to the long life of the instrument . . . keeps out dust and dirt.

MEASURE PRISM POWER, AXIS DIRECTLY

Use the eyepiece reticule lens to measure prism power *directly*—from as low as 0.25△ up to 5.00△—and to locate the prism base-apex line. For powers over 5.00△, auxiliary prisms are needed. We give you three with the instrument, 2△, 4△, and 6△.

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EASY TO ADJUST

The adjustments you make to use the Vertometer are minor ones. Just tilt the instrument to move the eyepiece to a comfortable height. Then turn the eyepiece to adjust the setting to your vision. Until someone else uses the Vertometer, you won't have to touch these adjustments again.

The new eyepiece is tapered to be more comfortable if you wear glasses.

REPLACE LAMP EASILY

Replace the lamp if you need to by simply lifting off the lamphouse cover . . . it's held by a spring clip. For easy access to the lamp base, swing it out by using a little lever inside. You can buy the replacement lamp locally, or order it from us.

A red pilot light lets you know at a glance when the Vertometer is on.

YEARS OF EXCELLENT SERVICE

The new B&L Vertometer has been designed to work for you month after month, year after year, with little or no attention. You can use it equally well in the prescription lab for hundreds of lenses a day; or in the professional office for only a few measurements a day. The Vertometer looks modern and impressive in the office, yet it's practically wear-proof for heavy use in the lab.

We believe everybody who handles ophthalmic lenses and realizes the value of exact lens measurements *needs* a new Model 70 Vertometer. Your distributor will be glad to help you.

BAUSCH & LOMB OPTICAL CO., ROCHESTER, N. Y.

Catalog No.	Description
21-65-70-01	Vertometer, complete with inking attachment
21-65-70-02	Vertometer, without inking attachment
21-65-72	Transparent Cover for above
21-65-21	Lamp, 15 watt, 120 volt

BAUSCH & LOMB

SINCE B&L 1853

C-530, 10, IX-54

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